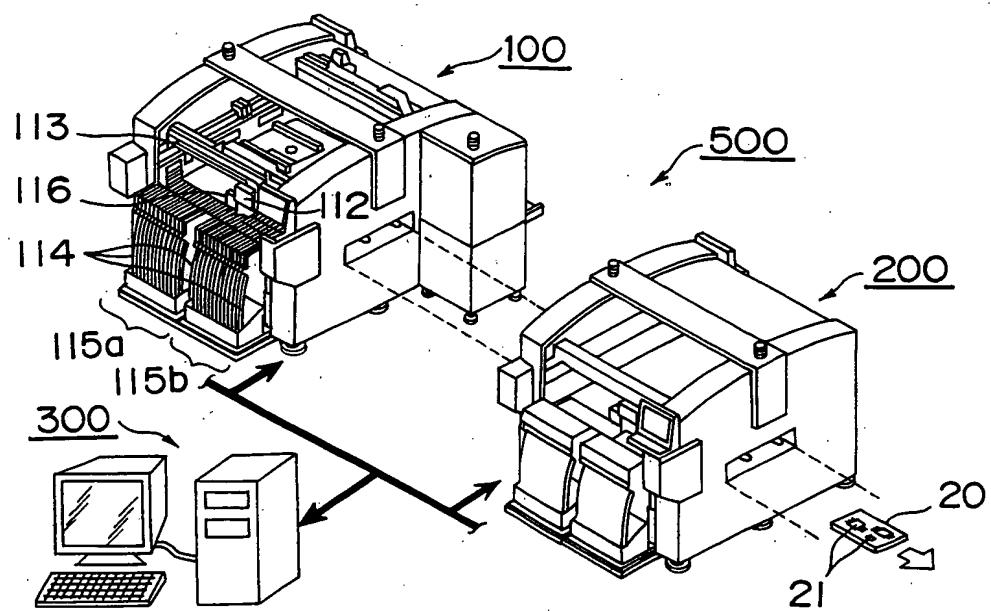


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Fig. 1



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Fig. 2

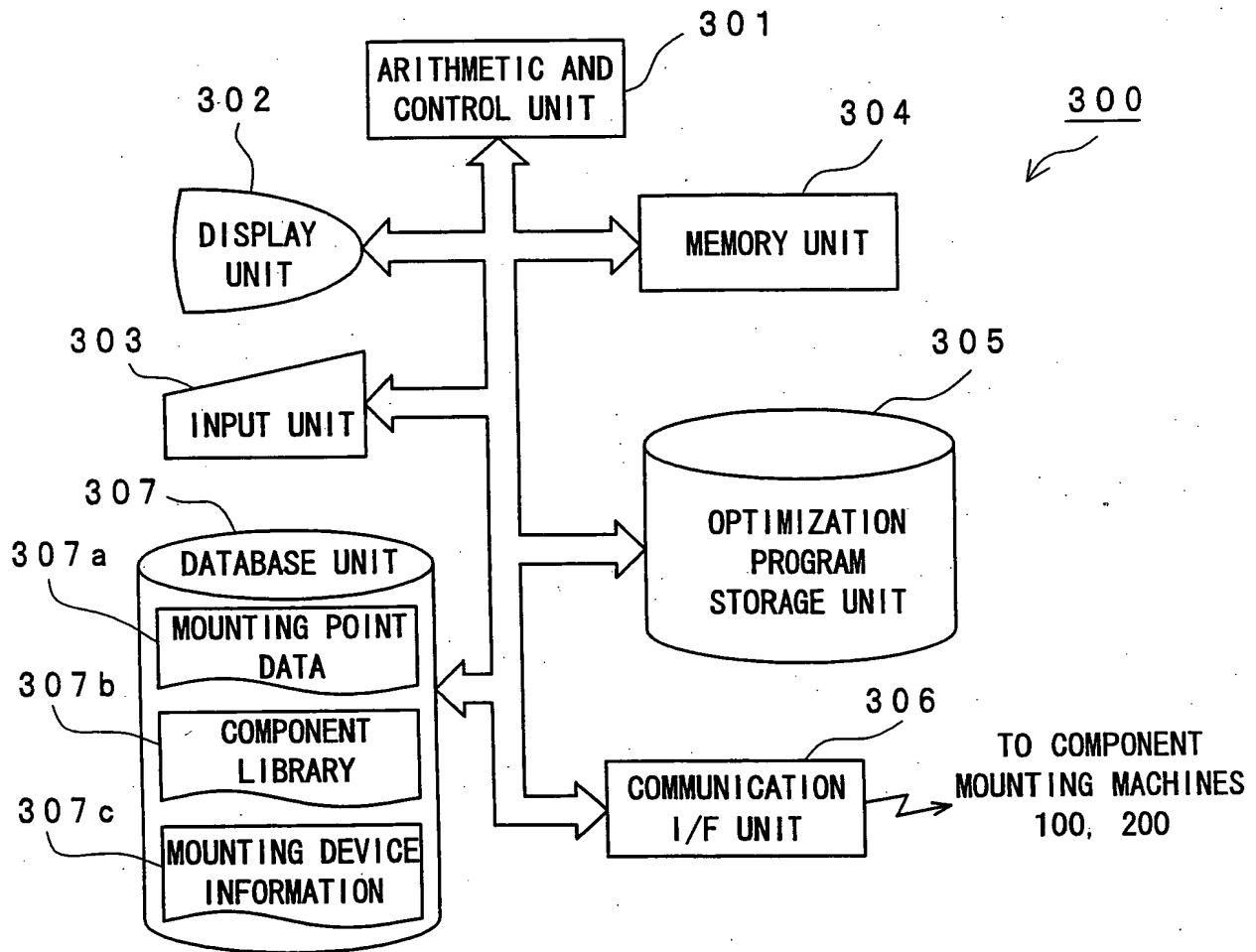
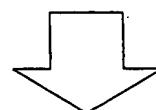


Fig. 3

307 a

MOUNTING POINT $p_i = (\text{COMPONENT TYPE } c_i, \text{ X COORDINATE } x_i, \text{ Y COORDINATE } y_i, \text{ CONTROL DATA } \phi_i)$



NC DATA IS LIST OF MOUNTING
POINTS p_i

$$\text{NC DATA} = \left\{ p_1, p_2, p_3, \dots, p_N \right\} = \left\{ c_1, x_1, y_1, \phi_1; c_2, x_2, y_2, \phi_2; c_3, x_3, y_3, \phi_3; \dots; c_N, x_N, y_N, \phi_N \right\}$$

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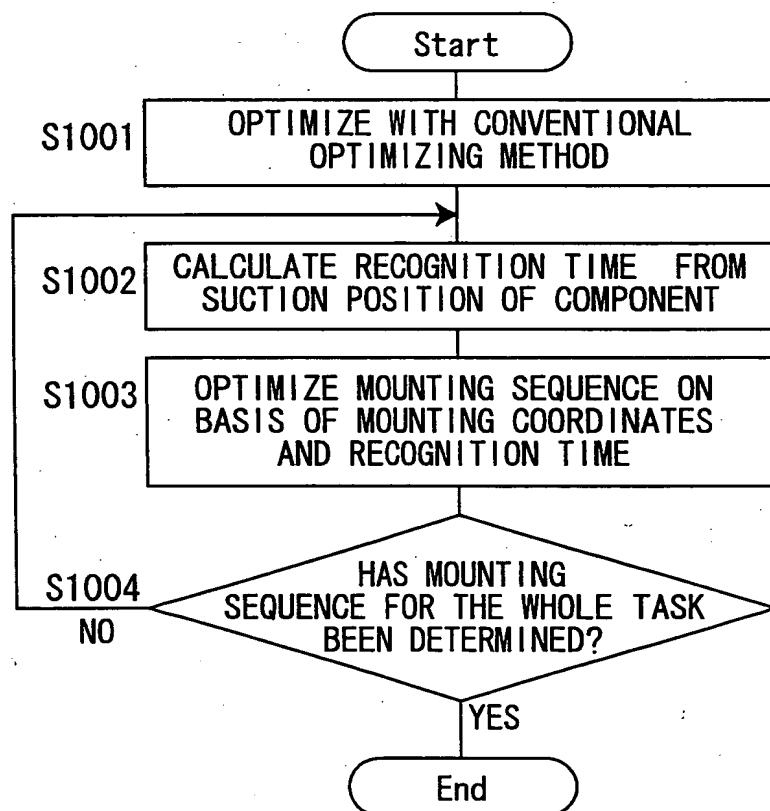
Fig. 4

307 b

COMPONENT NAME	COMPONENT APPEARANCE	COMPONENT SIZE (mm)			TWO-DIMENSIONAL RECOGNITION METHOD	SUCTION NOZZLE	PROCESSING SPEED TIME (SEC) XY
		X	Y	L			
0603CR		0.6	0.3	0.25		SX	0.086
1005CR		1.0	0.5	0.3-0.5		SA	
1608CR		1.6	0.8	0.4-0.8			0.094
2012CR		2.0	1.25	0.4-0.8			
3216CR		3.2	1.6	0.4-0.8		S	
4TR		2.8	2.8	1.1			
6TR		4.3	4.5	1.5			
1TIP		2.0	φ1.0	-		CYLINDRICAL TIP	0.11
2TIP		3.6	φ1.4	-			
1CAP		3.8	1.9	1.6		S	
2CAP		4.7	2.6	2.1			
3CAP		6.0	3.2	2.5		M	
4CAP		7.3	4.3	2.8			
SCAP		4.3	4.3	6.0		ML	
LCAP		6.6	6.6	6.0			
LLCAP		10.3	10.3	10.5			
1VOL		4.5	3.8	1.6-2.4			
2VOL		3.7	3.0	1.6		M	
3VOL		4.8	4.0	3.0			0.13 2

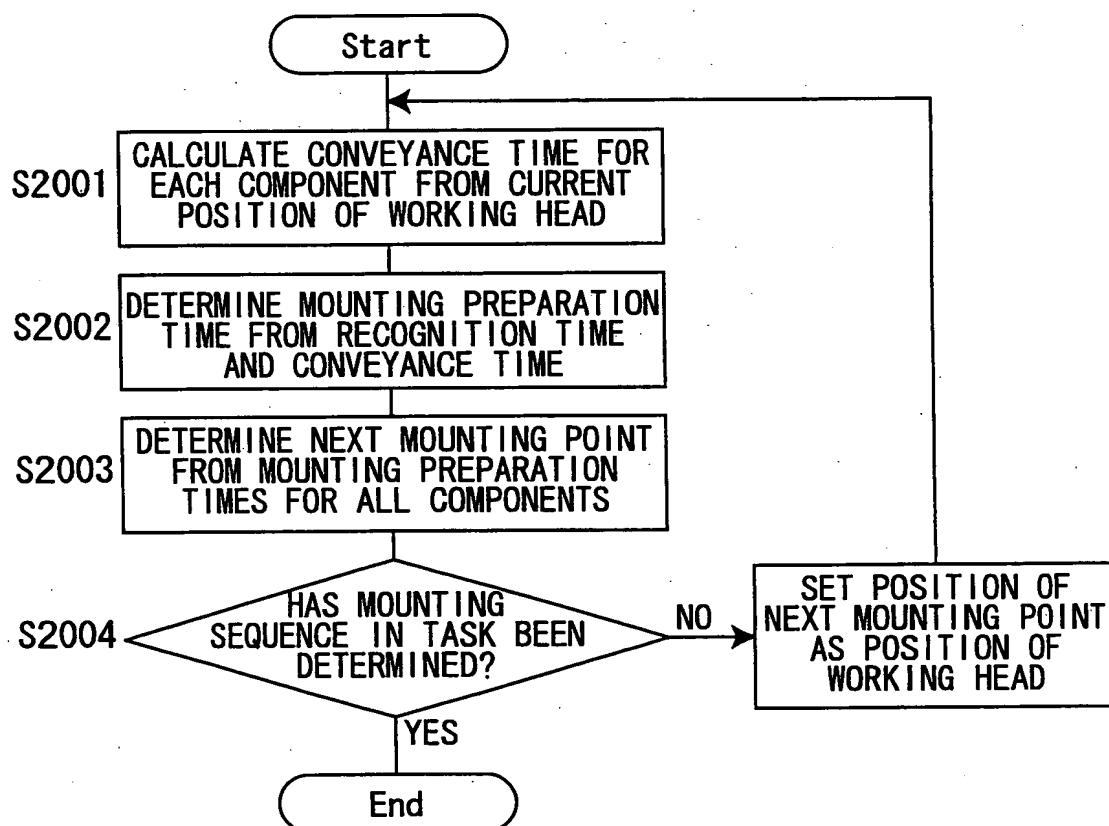
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Fig. 5

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Fig. 6



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Fig. 7

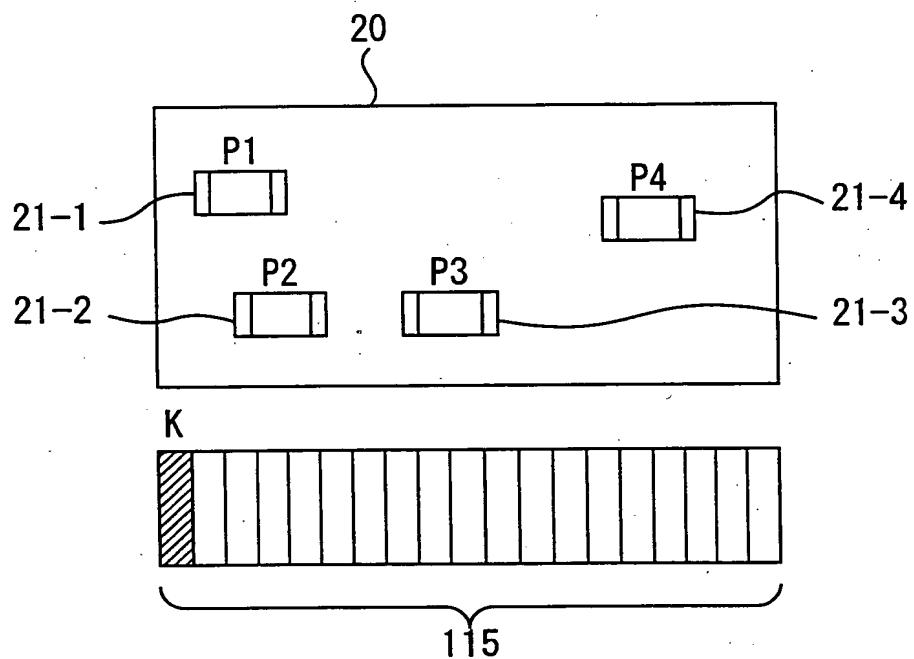
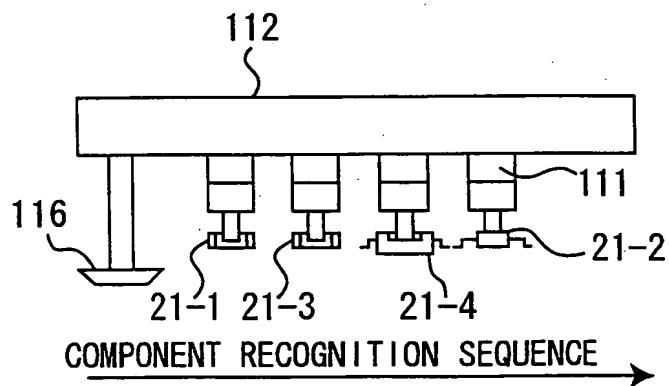


Fig. 8



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Fig. 9

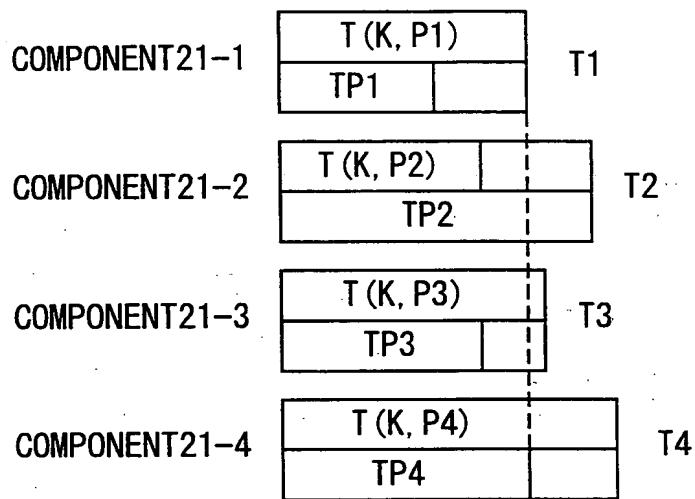
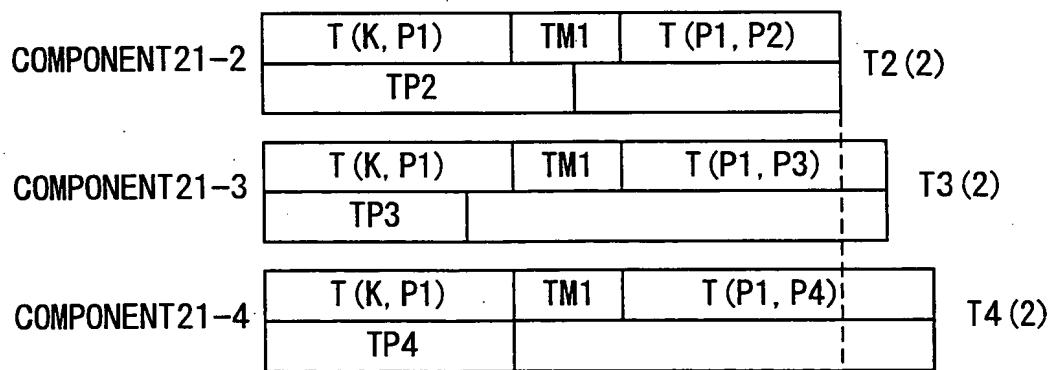
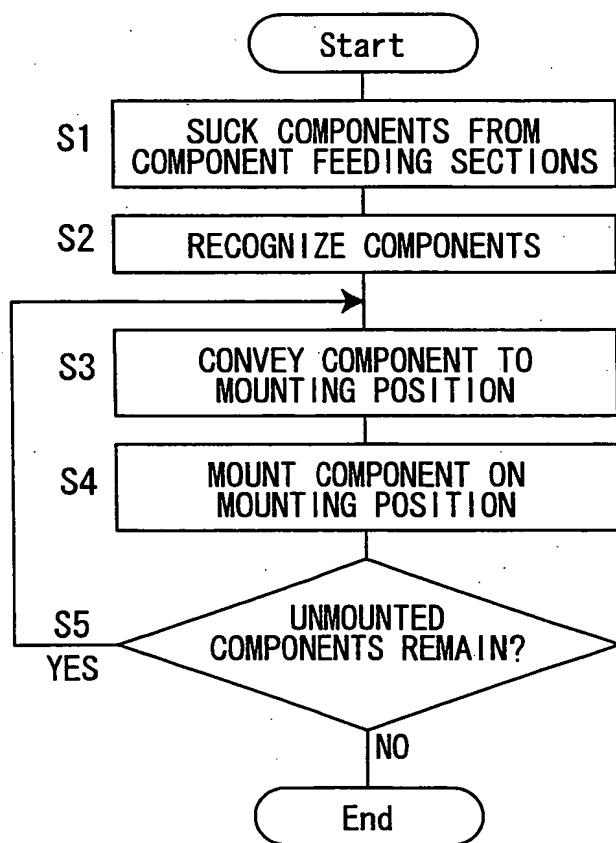


Fig. 10



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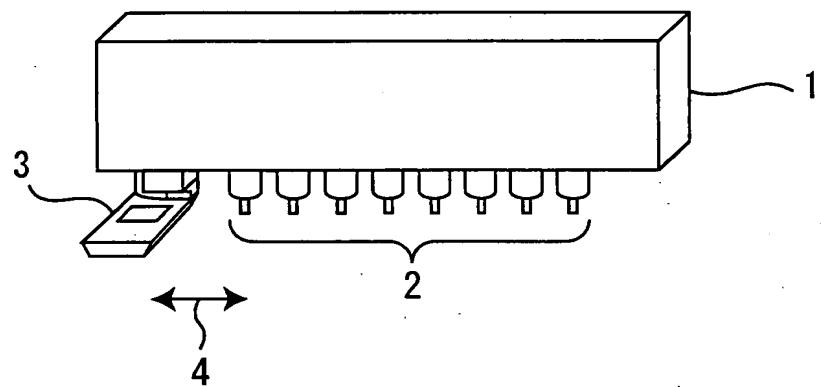
Fig. 11



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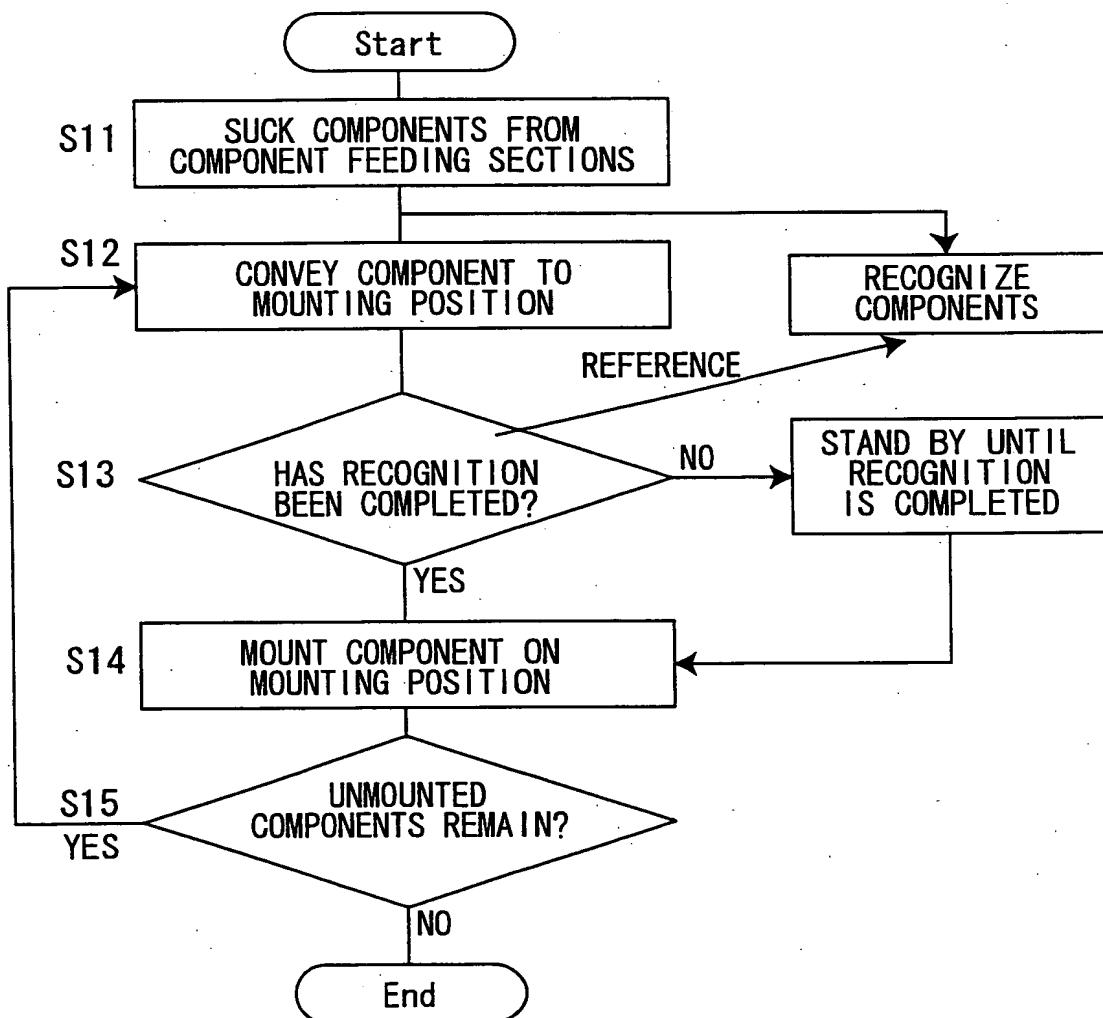
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Fig. 12



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Fig. 13



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Fig. 14

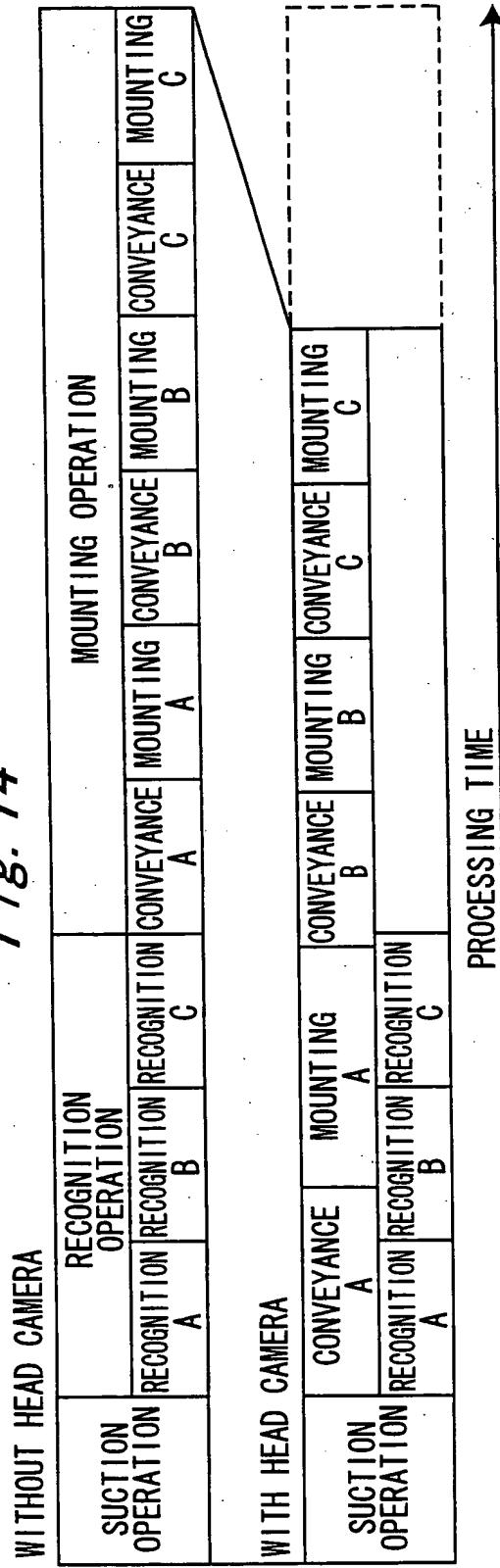


Fig. 15

